

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098810.D
 Acq On : 26 Sep 2017 4:45
 Operator : SJ/JU
 Sample : I5395-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

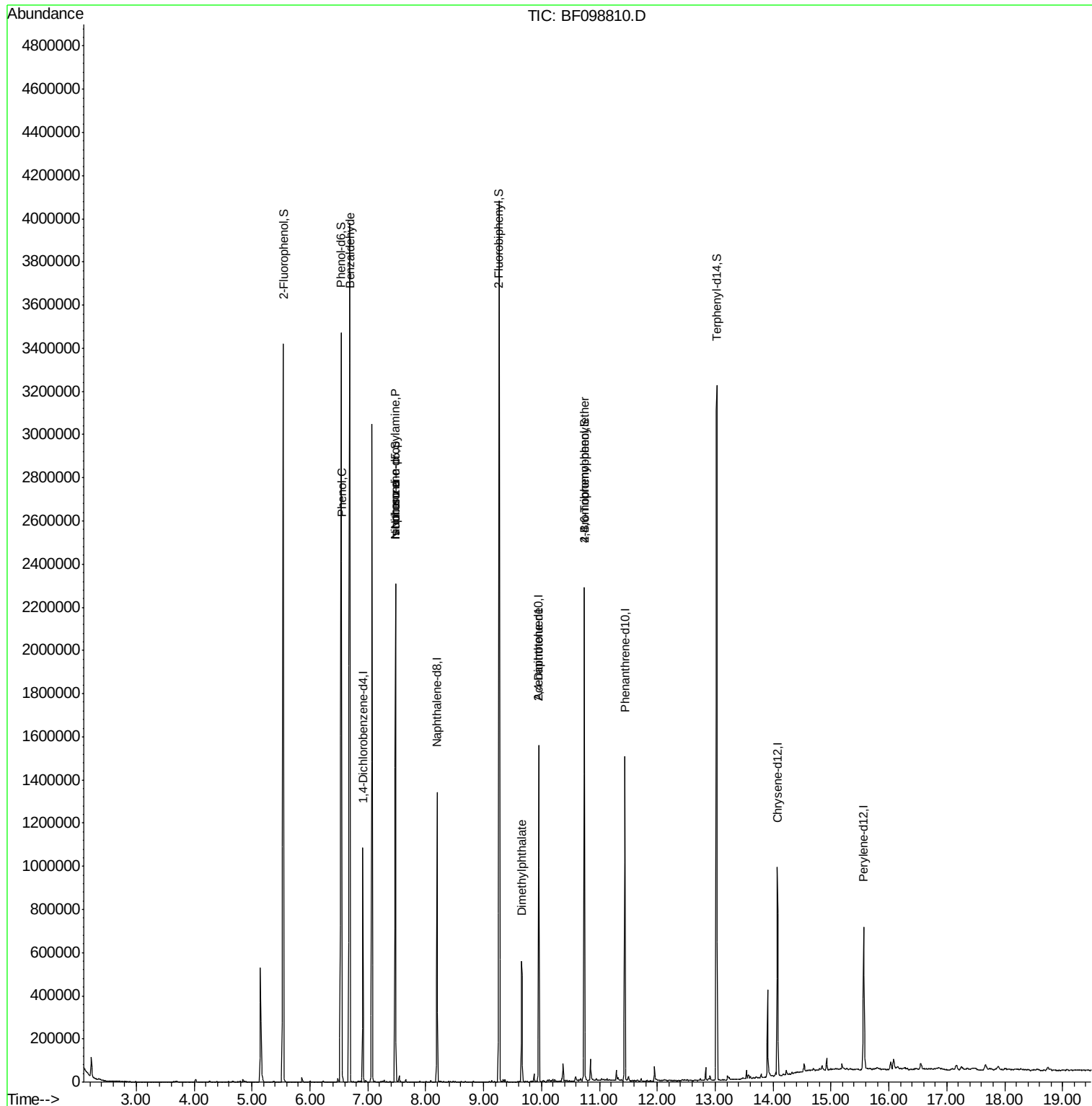
Quant Time: Sep 26 08:44:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

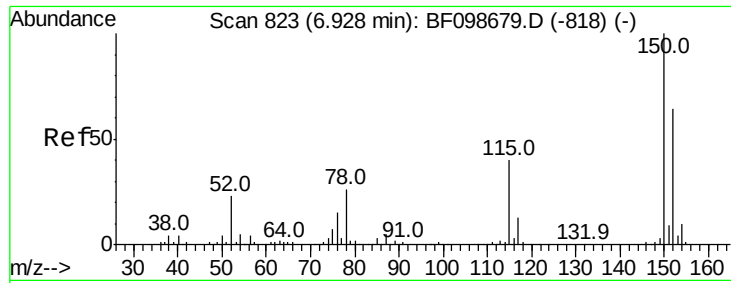
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	154272	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	640119	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	283310	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	471658	20.00	ng	0.00
75) Chrysene-d12	14.07	240	296792	20.00	ng	-0.01
86) Perylene-d12	15.57	264	278786	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1171562	120.89	ng	0.00
7) Phenol-d6	6.54	99	1438587	120.33	ng	0.00
23) Nitrobenzene-d5	7.47	82	839903	84.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	270133	116.52	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1435786	84.60	ng	0.00
78) Terphenyl-d14	13.03	244	1097382	84.09	ng	0.00
Target Compounds						
9) Benzaldehyde	6.69	77	24217	3.492	ng	89
10) Phenol	6.55	94	46281	3.461	ng	97
19) n-Nitroso-di-n-propylamine	7.47	70	110988	14.541	ng	# 76
25) Isophorone	7.47	82	836708	40.544	ng	# 64
49) Dimethylphthalate	9.66	163	220061	10.292	ng	99
56) 2,4-Dinitrotoluene	9.95	165	36297	6.008	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	18215	3.945	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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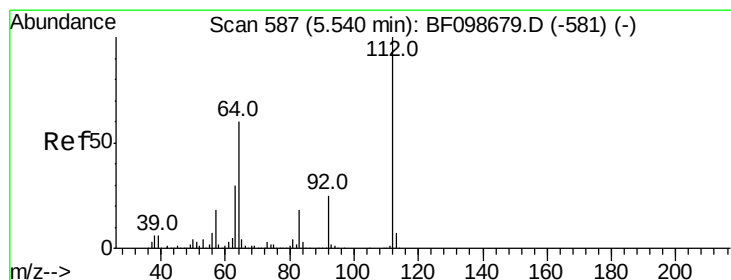
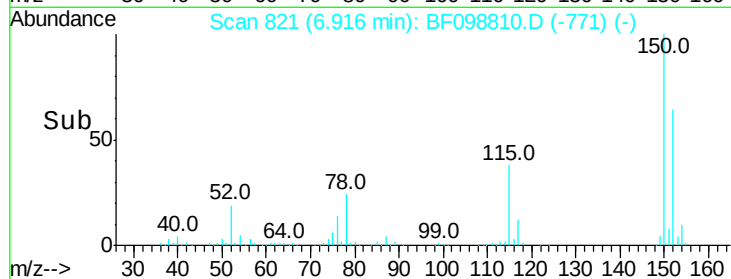
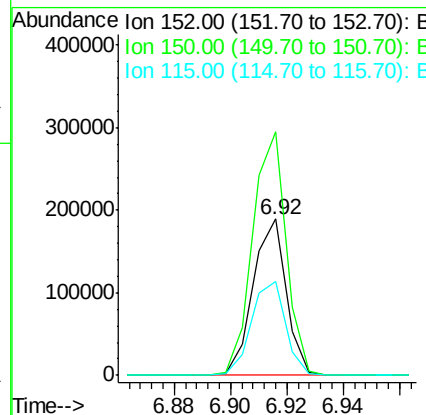
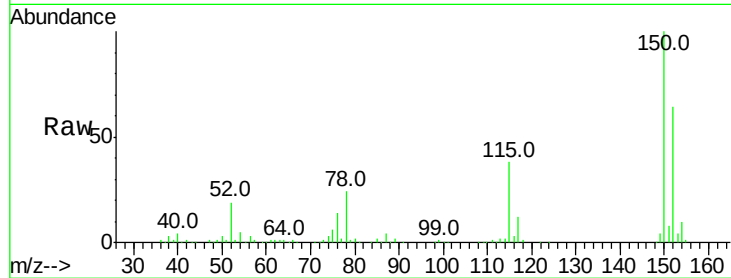


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098810.D
Acq: 26 Sep 2017 4:45

Instrument :
BNA_F
ClientSampleId :

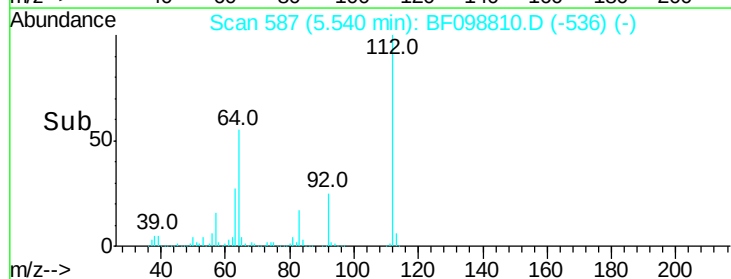
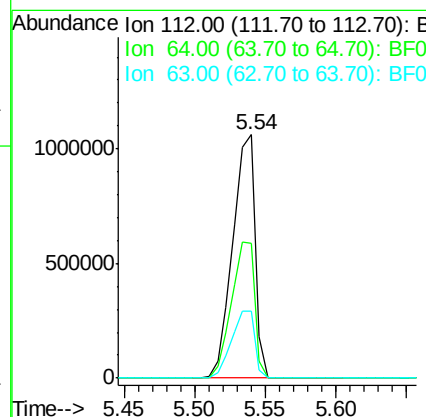
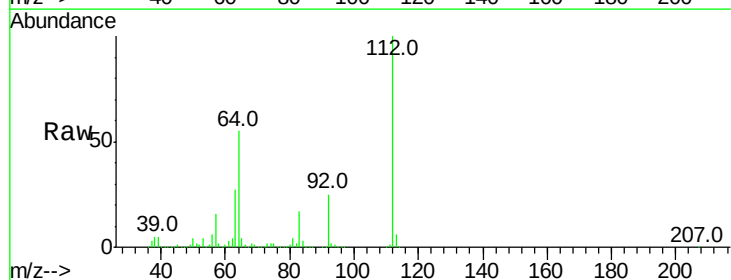
Tot Ion:152 Resp: 154272
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 59.9 50.1 75.1

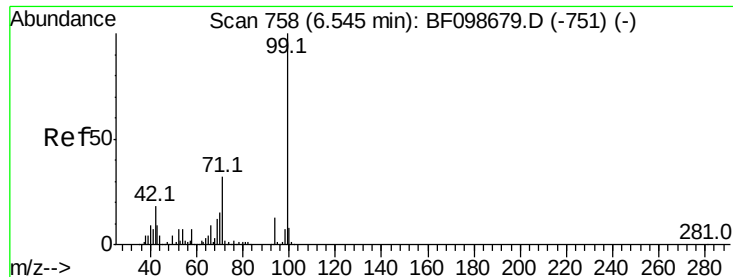


#5

2-Fluorophenol
Concen: 120.891 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098810.D
Acq: 26 Sep 2017 4:45

Tgt Ion:112 Resp: 1171562
Ion Ratio Lower Upper
112 100
64 55.1 47.9 71.9
63 27.4 23.7 35.5





#7

Phenol-d6

Concen: 120.333 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098810.D

Acq: 26 Sep 2017 4:45

Instrument :

BNA_F

ClientSampleId :

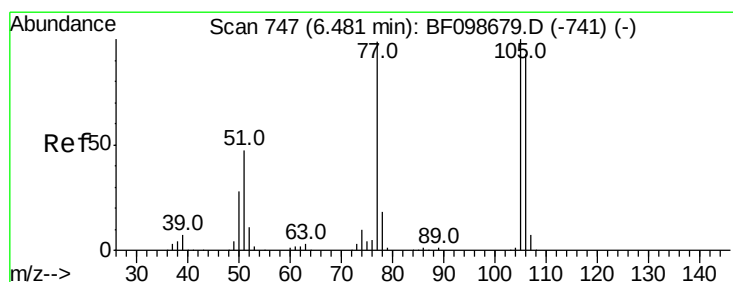
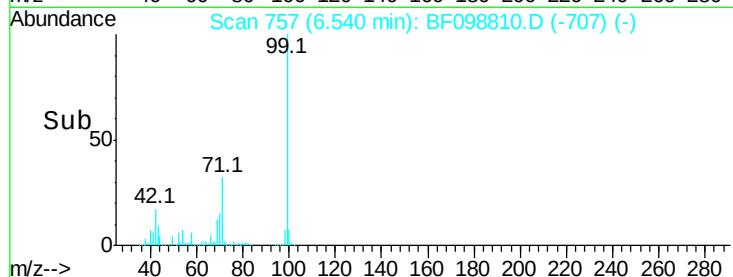
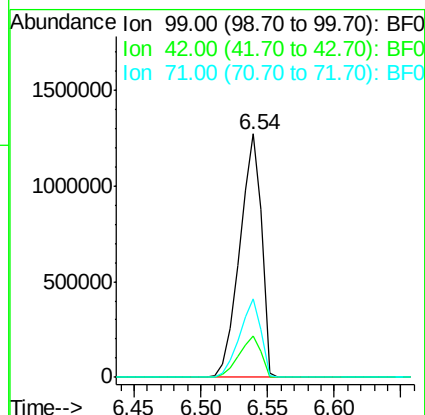
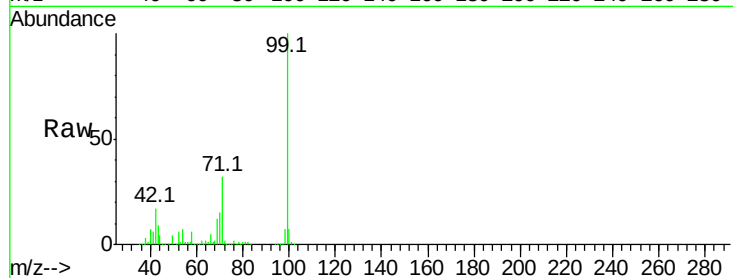
Tot Ion: 99 Resp: 1438587

Ion Ratio Lower Upper

99 100

42 16.9 14.5 21.7

71 32.3 25.4 38.0



#9

Benzaldehyde

Concen: 3.492 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098810.D

Acq: 26 Sep 2017 4:45

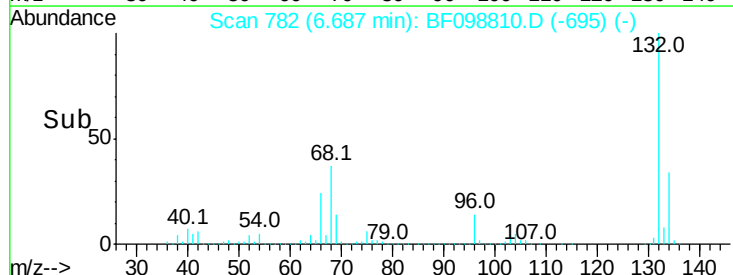
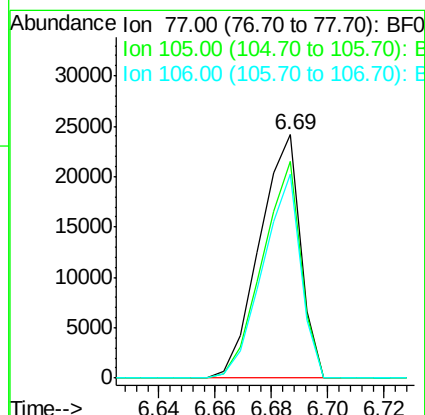
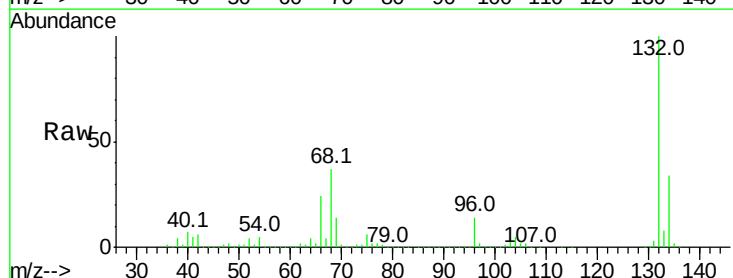
Tgt Ion: 77 Resp: 24217

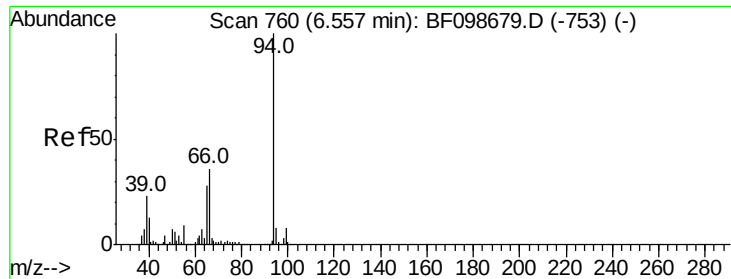
Ion Ratio Lower Upper

77 100

105 89.3 81.1 121.1

106 83.9 74.5 114.5

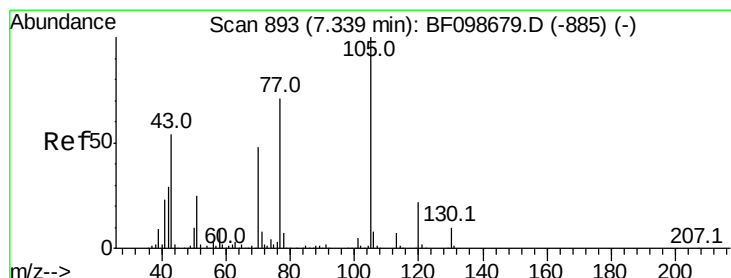
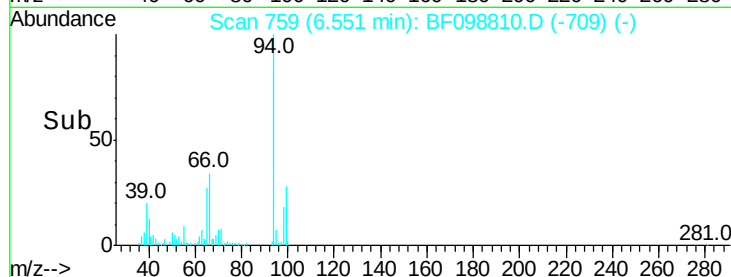
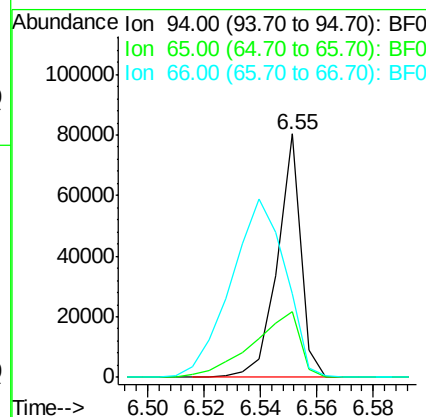
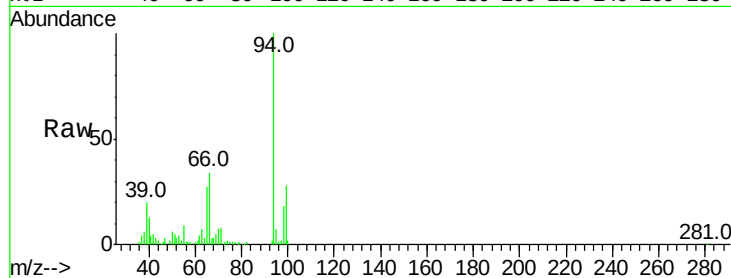




#10
Phenol
Concen: 3.461 ng
RT: 6.55 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF098810.D
Acq: 26 Sep 2017 4:45

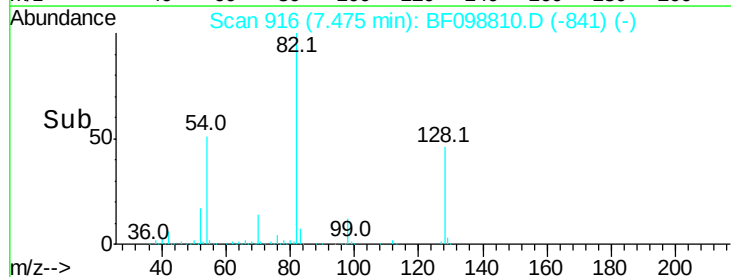
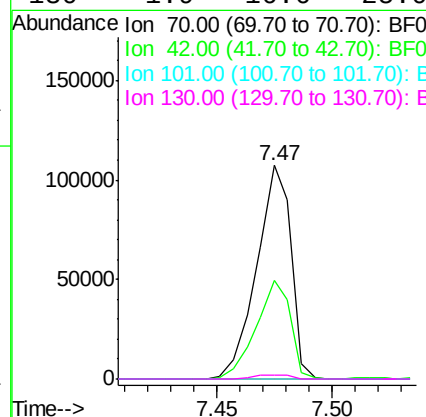
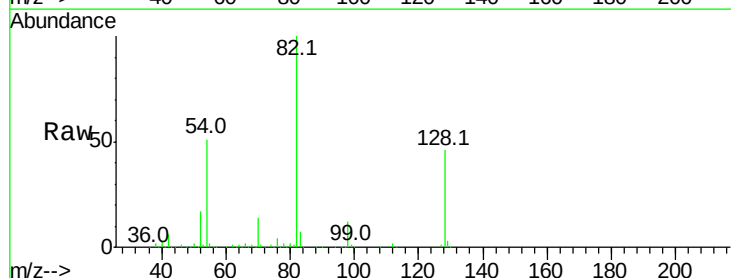
Instrument :
BNA_F
ClientSampled :

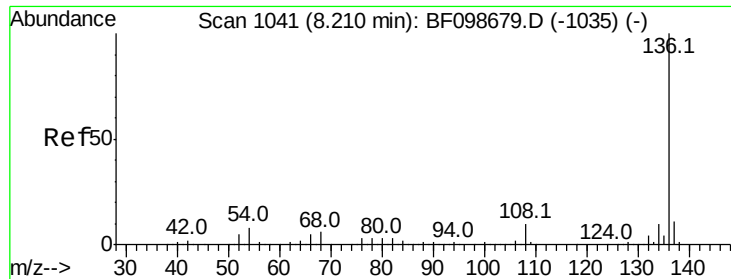
Tot Ion: 94 Resp: 46281
Ion Ratio Lower Upper
94 100
65 27.0 7.9 47.9
66 34.2 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.541 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF098810.D
Acq: 26 Sep 2017 4:45

Tgt Ion: 70 Resp: 110988
Ion Ratio Lower Upper
70 100
42 46.3 47.5 71.3#
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#

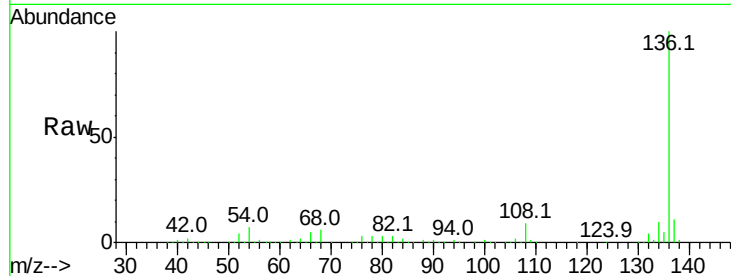




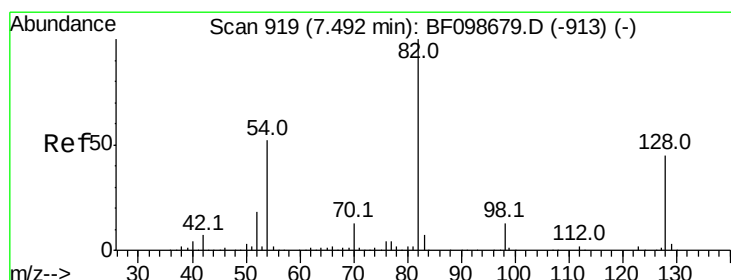
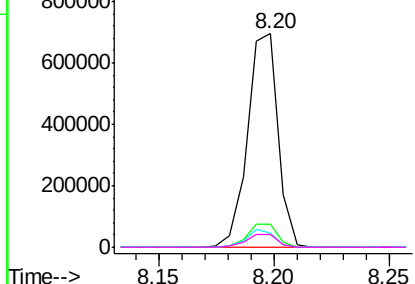
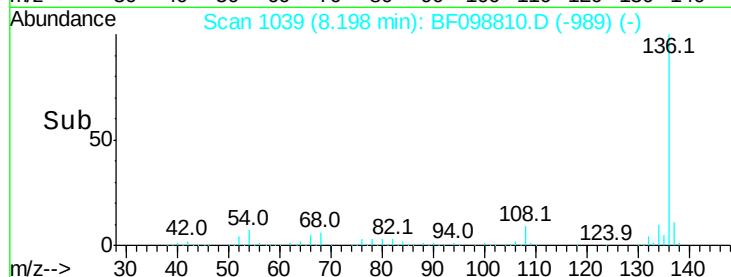
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098810.D
Acq: 26 Sep 2017 4:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	640119
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.8	6.6	9.8
68	5.8	5.0	7.4

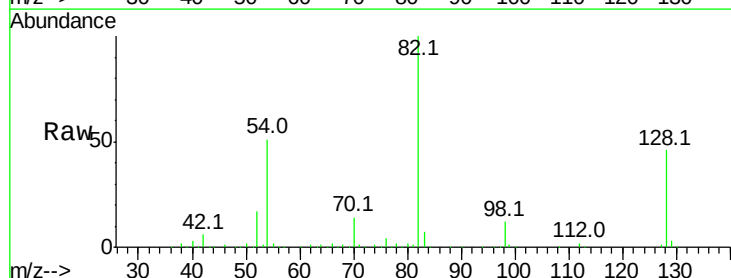


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

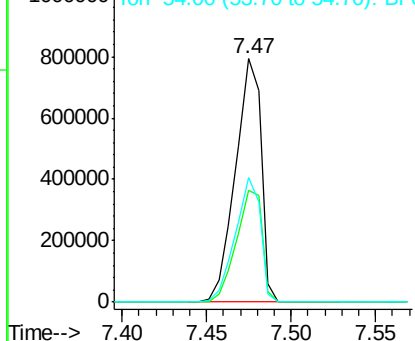
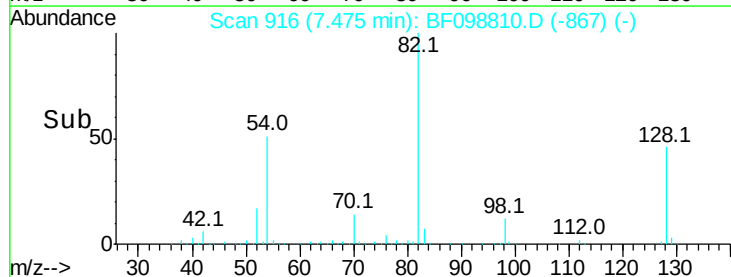


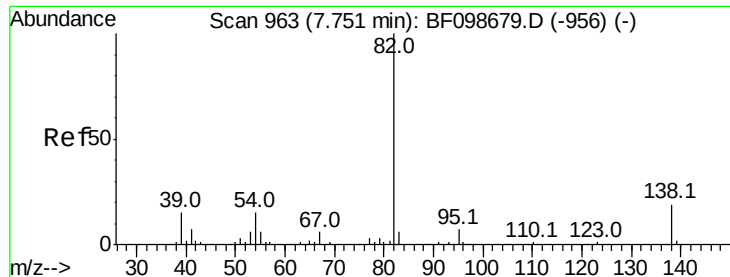
#23
Nitrobenzene-d5
Concen: 84.145 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098810.D
Acq: 26 Sep 2017 4:45

Tgt Ion:	82	Resp:	839903
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	51.4	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.544 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098810.D

Acq: 26 Sep 2017 4:45

Instrument :

BNA_F

ClientSampleId :

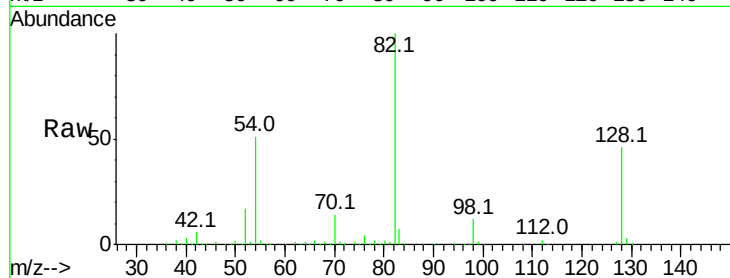
Tot Ion: 82 Resp: 836708

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

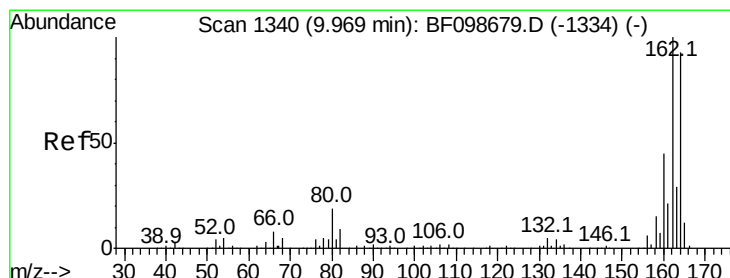
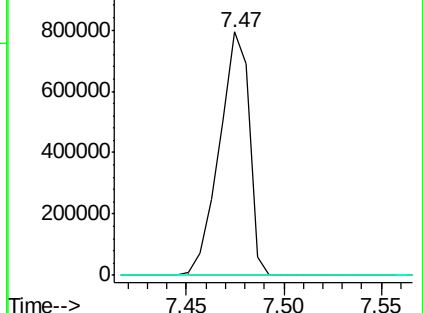
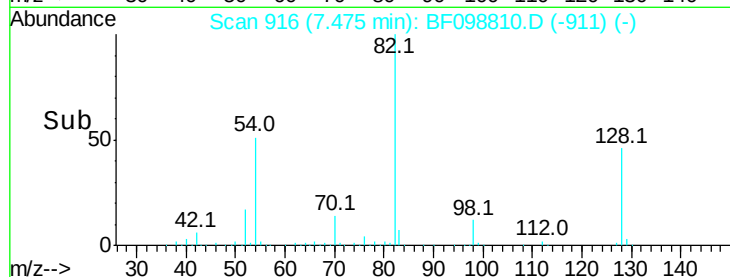
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098810.D

Acq: 26 Sep 2017 4:45

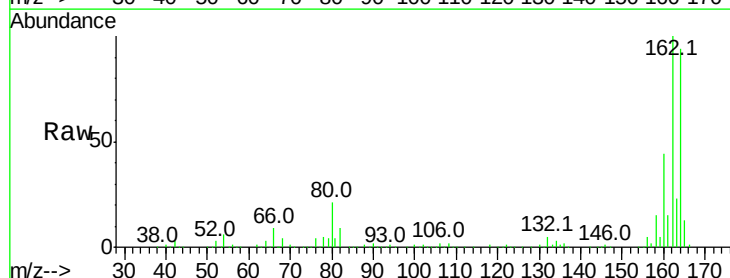
Tgt Ion: 164 Resp: 283310

Ion Ratio Lower Upper

164 100

162 106.0 86.1 129.1

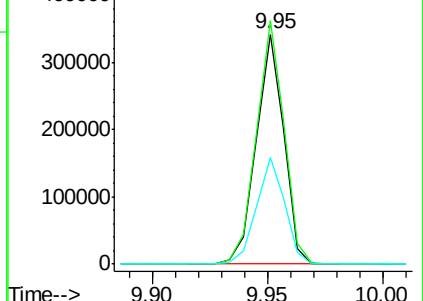
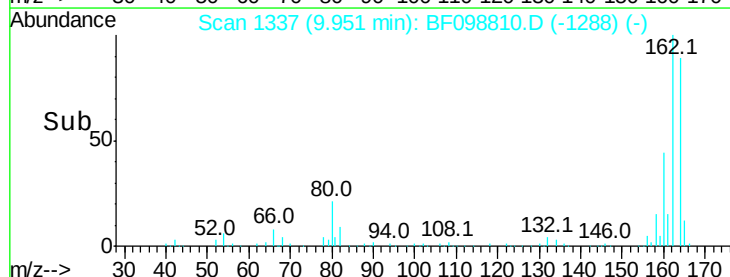
160 46.4 38.3 57.5

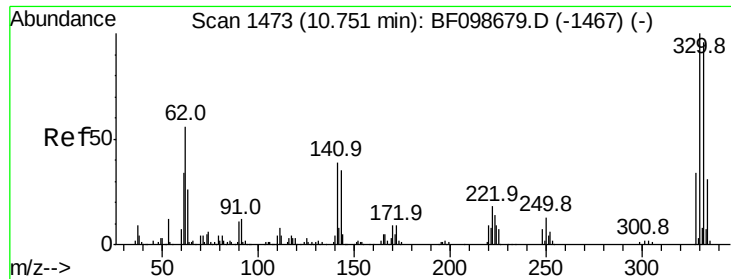


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

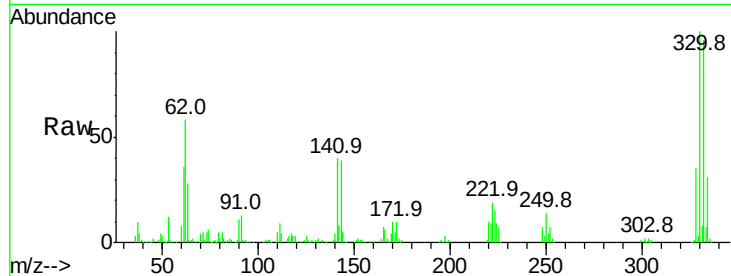




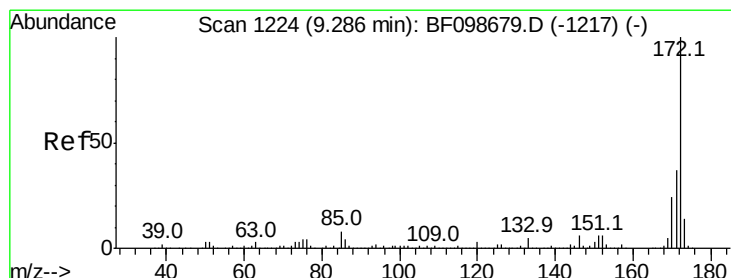
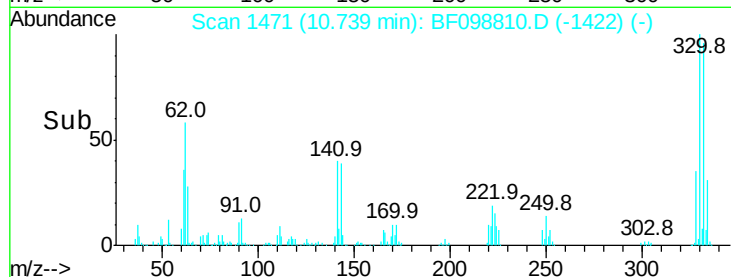
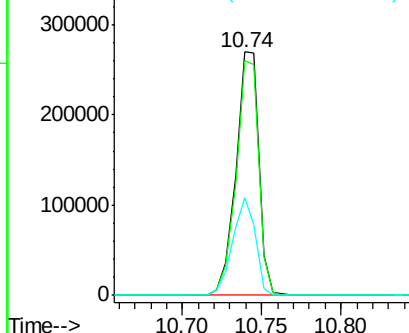
#41
 2,4,6-Tribromophenol
 Concen: 116.525 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098810.D
 Acq: 26 Sep 2017 4:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 270133
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 40.0 29.9 44.9

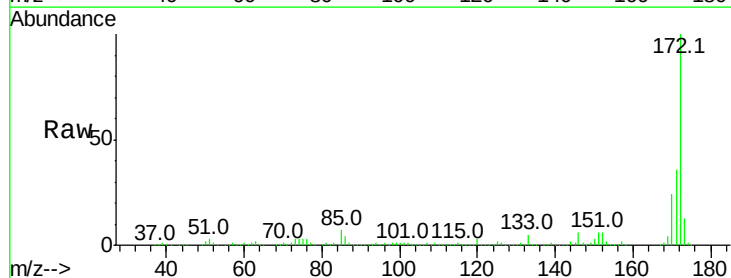


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

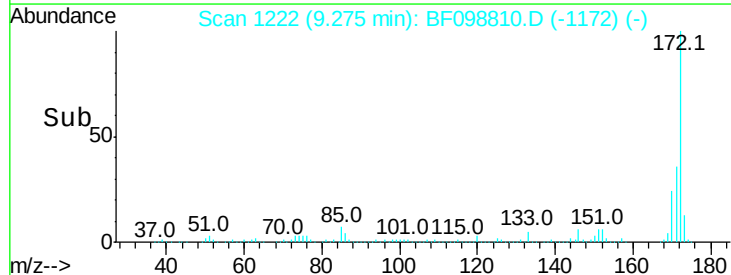
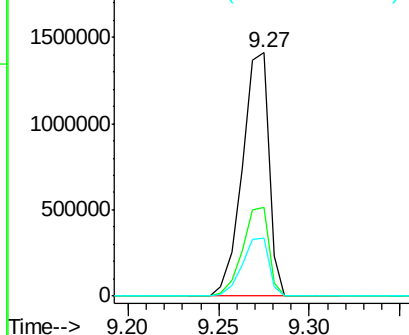


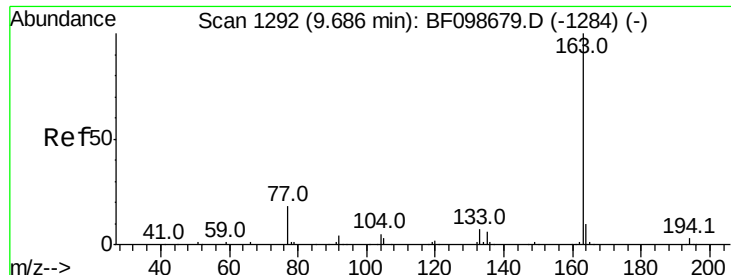
#44
 2-Fluorobiphenyl
 Concen: 84.604 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098810.D
 Acq: 26 Sep 2017 4:45

Tgt Ion:172 Resp: 1435786
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.0 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 10.292 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF098810.D

Acq: 26 Sep 2017 4:45

Instrument :

BNA_F

ClientSampleId :

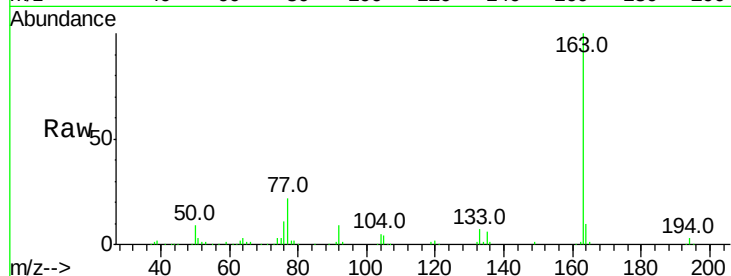
Tot Ion:163 Resp: 220061

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

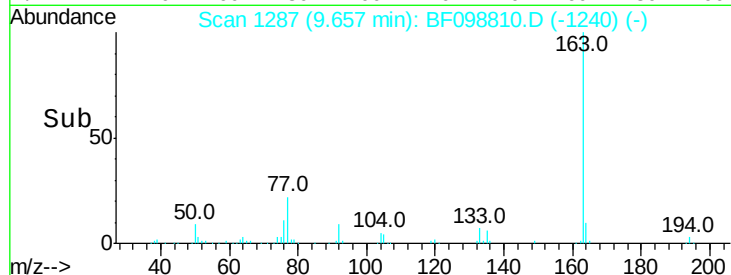
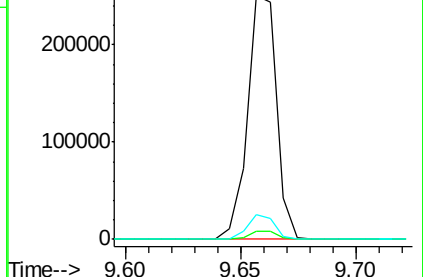
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.008 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098810.D

Acq: 26 Sep 2017 4:45

Tgt Ion:165 Resp: 36297

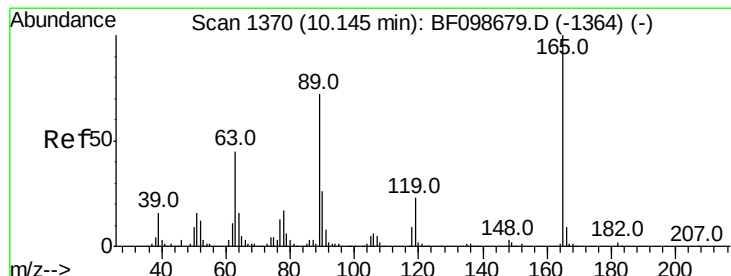
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

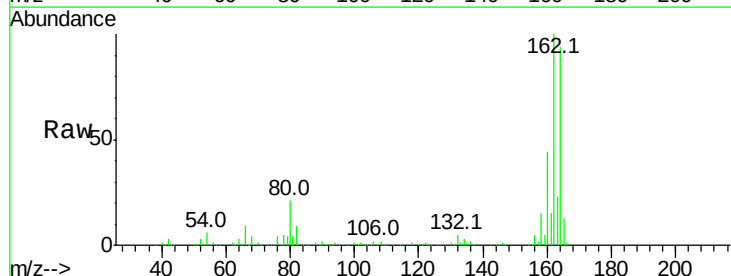
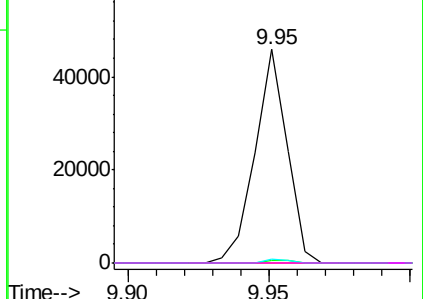


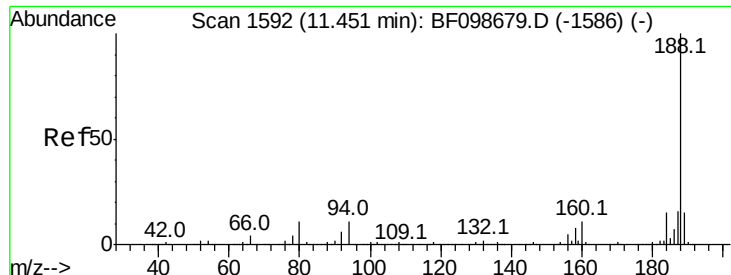
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

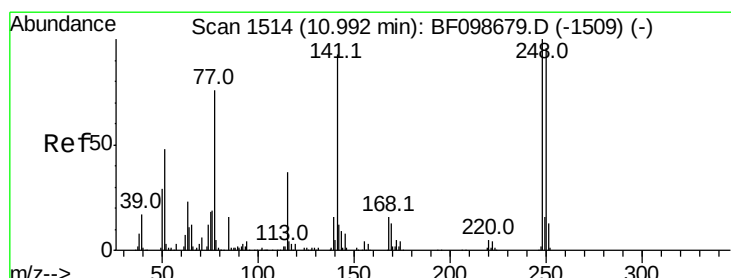
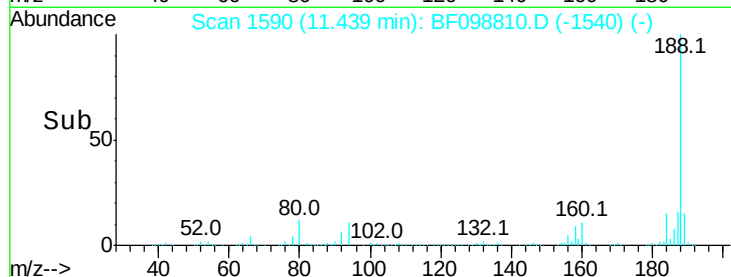
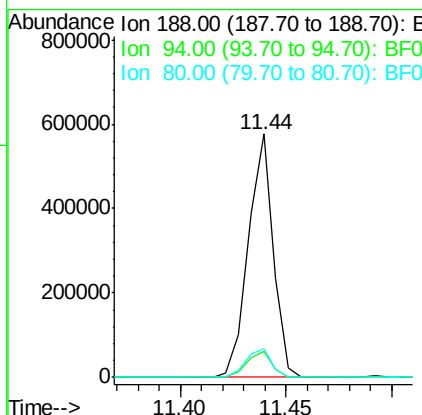
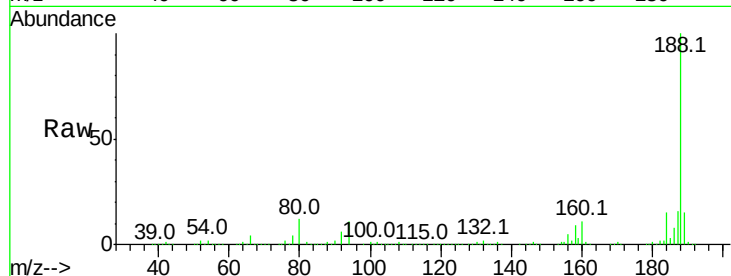




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098810.D
 Acq: 26 Sep 2017 4:45

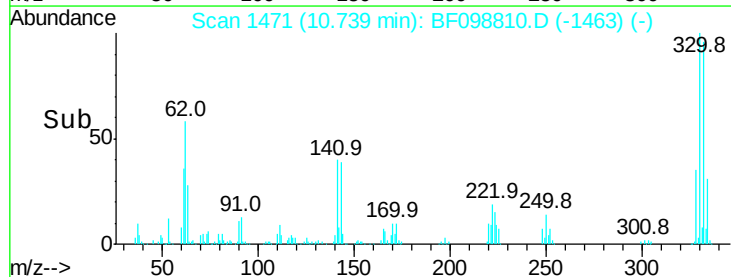
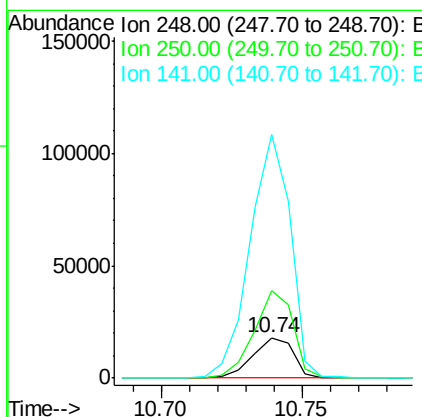
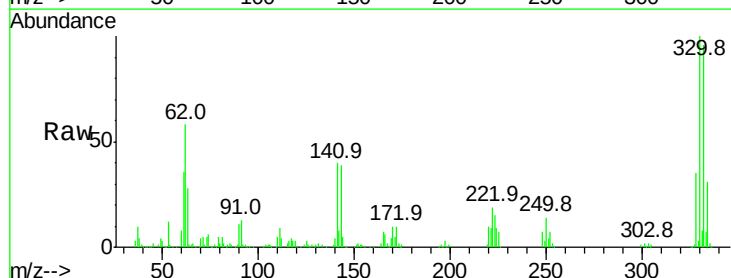
Instrument :
 BNA_F
 ClientSampleId :

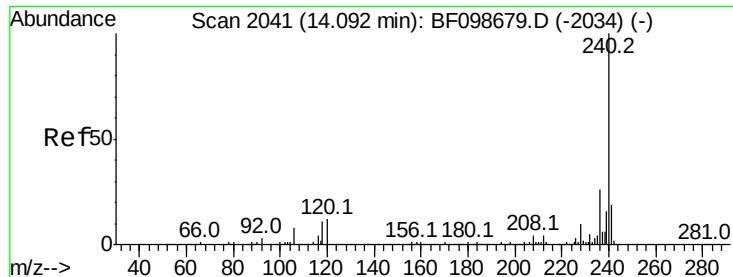
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.7	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.945 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.25 min
 Lab File: BF098810.D
 Acq: 26 Sep 2017 4:45

Tgt Ion	Ratio	Lower	Upper
248	100		
250	215.6	76.9	115.3#
141	600.4	74.4	111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098810.D

Acq: 26 Sep 2017 4:45

Instrument :

BNA_F

ClientSampleId :

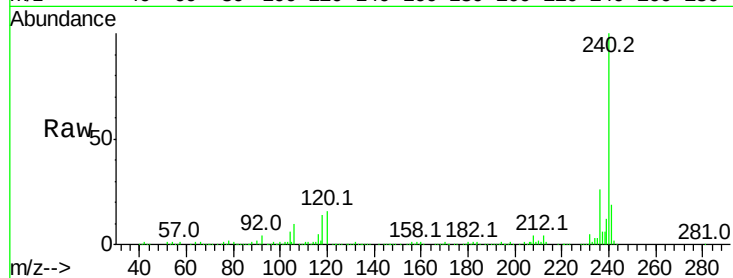
Tot Ion:240 Resp: 296792

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

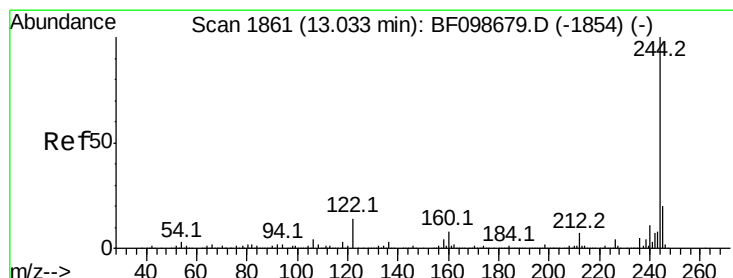
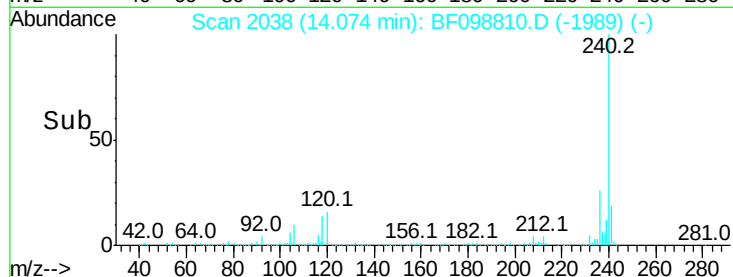
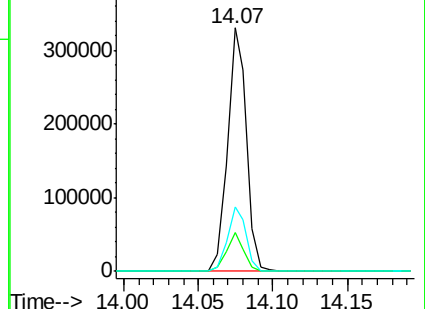
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 84.088 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098810.D

Acq: 26 Sep 2017 4:45

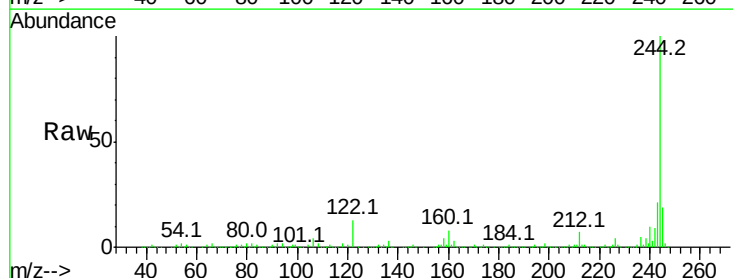
Tgt Ion:244 Resp: 1097382

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

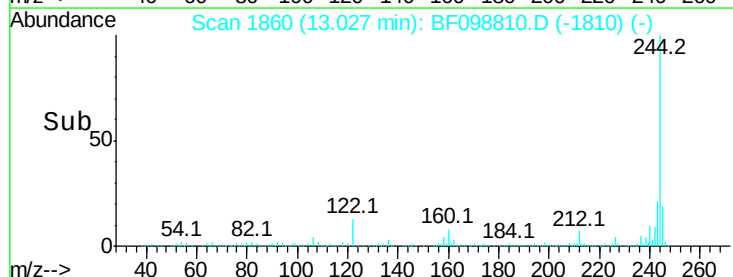
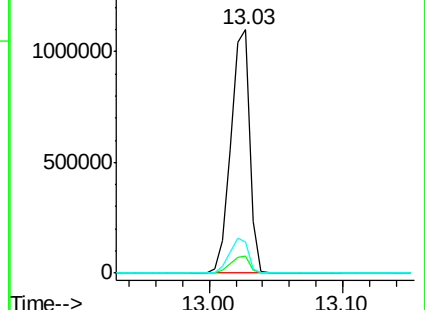
122 12.7 11.0 16.4

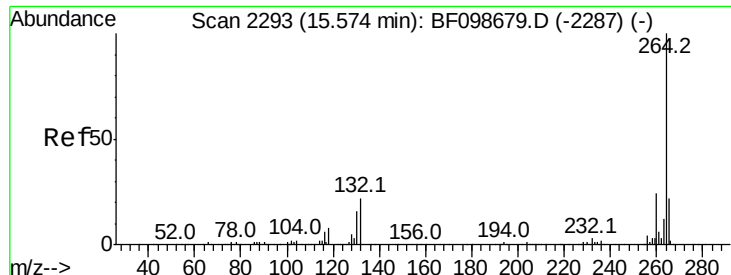


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

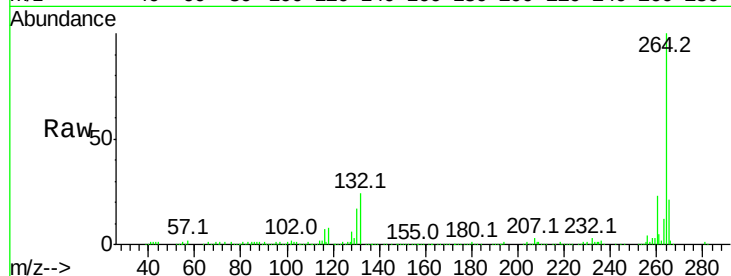




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098810.D
Acq: 26 Sep 2017 4:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.7	17.5	26.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

